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#### Declaration under Rule 4.17:

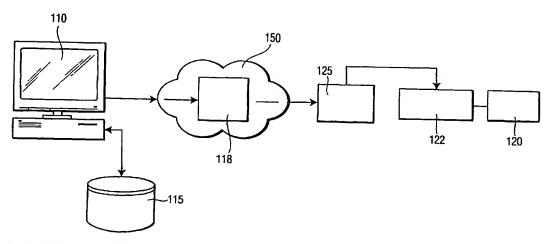
 as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations

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- (88) Date of publication of the international search report:
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A ROBOTIC WEB BROWSER



(57) Abstract: A robotic web browser (120, 122) is disclosed capable of rendering high level program instructions received via an electronic network (150) such as the Internet. Upon rendering the downloaded instructions, the robotic web browser (120, 122) performs three-dimensional movements and plays back video and audio streams.

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According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT
Category	Citation of document with indication

Category Citation of document, with indication, where appropriate, of the relevant passages  Relevant to	ciaim No.
BALAGUER J-F ET AL: "i3D: A High-Speed 3D Web Browser" PROCEEDINGS OF 1995 VMRL WORKSHOP, 31 December 1995 (1995-12-31), XP002259652 abstract page 2, left-hand column, line 15 - line 24 Paragraph 2.1 Paragraph 2.4	

	X	Further documents are listed in the	continuation of box C.
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X Patent family members are listed in annex.

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## 1 November 2004

Name and mailing address of the ISA

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Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Calegory	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SELFRIDGE P ET AL: "Cospace- combining web browsing and dynamically generated, 3D, multiuser environments" INTELLIGENCE, ASSOCIATION FOR COMPUTING MACHINERY, NEW YORK, NY, US, March 1999 (1999-03), pages 24-32, XP002212975 ISSN: 1523-8822 page 26, left-hand column, line 1 - line	1-12
	page 20, reft hand column, fine 1 - fine 11 page 29, right-hand column, paragraph 1 page 30, left-hand column, last paragraph - right-hand column, paragraph 1	
Α	US 2002/105551 A1 (KAMEN YAKOV ET AL) 8 August 2002 (2002-08-08) abstract paragraph '0014! paragraph '0021!; figure 1 paragraphs '0024!, '0025!; figure 2	1-12
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Information on patent family members

national Application No
T/IB 03/05619

Patent document cited in search report		Publication date		Patent family member(s)	Publication date	
US 2002105551	A1	08-08-2002	AU WO	4152401 A 0160142 A2	27-08-2001 23-08-2001	